MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

NOVEMBER 1951

ROBERT W. SLOANE, DIRECTOR

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WEATHER BUREAU

NOVEMBER 1951

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. +...				Thermometer Degress Centigrade					
	8:30	14:30	22:30	Mean	Max.	Min.	8:30	14:30	20.30	Mean
1	60.8	60.3	61.3	60.8	24.1	17.3	20.0	23.3	20.2	21.2
2	63.0	62.8	63.4	63.1	22.7	19.6	20.5	22.4	19.1	20.7
3	63.7	62.3	62.2	62.7	22.7	18.3	20.0	22.1	19.7	20.6
4	61.7	61.5	62.1	61.8	23.3	17.7	21.3	23.2	20.0	21.5
5	62.7	62.5	63.2	62.8	24.0	15.6	21.8	17.1	17.8	18.9
6	62.0	60.1	60.6	60.9	21.4	11.3	20.0	17.8	17.4	18.4
7	60.5	60.2	60.6	60.4	18.2	12.8	15.6	15.0	14.5	15.0
8	61.9	62.7	64.0	62.9	19.4	13.8	17.8	18.3	18.4	18.2
9	67.1	66.5	67.3	67.0	19.8	15.3	16.7	19.9	17.7	18 1
10	67.0	66.3	66.6	66.6	21.0	15.2	17.9	15.0	17.4	16.8
11	67.1	65.8	65.8	66.2	21.1	15.1	17.8	20 0	17.8	18.5
12	65.6	63.6	64.0	64.2	21.2	16.4	19.4	20.8	17.8	19.1
13	63.9	63.3	63.3	63.5	21.6	16.4	18.9	20.9	18.9	19.6
14	64.2	63.3	63.7	63.7	21.8	17.1	18.9	20.9	19.3	19.7
15	63.4	61.5	60.7	61.9	24.9	17 8	19.2	21.1	20.0	20.1
16	58.1	57.3	59.3	58.2	26.5	20.1	25.1	23.9	25.0	24.7
17	59.5	59.1	59.5	59.4	25.3	17.6	22.4	21.7	20.0	21.3
18	59.1	59.4	60.2	59.6	26.6	15.1	20.0	21.2	18.1	19.8
19	61.1	60.9	62.9	61.6	21.2	15.6	18.3	19.4	18.2	18.6
20	62.8	62.7	63.3	62.9	21.2	16.1	18.2	21.1	17.9	19.1
21	64.2	63.0	63.2	63.5	21.1	15.6	18.6	20.9	18.3	19.3
22	62.3	60.7	60.4	61.1	20.7	16.6	18.1	19.4	18.9	18.8
23	59.4	59.1	61.0	59.8	22.2	16.6	19.5	21.2	18.3	19.7
24	61.7	60.2	60.8	60.9	21.9	16.2	19.0	21.1	18.4	19.5
25	60.5	59.2	59.7	59.8	21.3	11.8	19.4	20.5	18.6	19.5
26	61.3	60.7	62.5	61.5	17.1	12.7	13.3	15.2	13.9	14.1
27	63.0	63.5	63.4	63.3	19.8	14.9	17.1	18.9	16.6	17.5
28	62.9	63.3	63.6	63.3	20.8	11.4	18.3	20.3	16.9	18.5
29	58.7	59.3	61.3	59.8	20.7	12.9	16.7	16.8	15.7	16.4
30	63.8	63.	64.2	63.9	20.8	13.9	17.4	18.4	15.6	17.1
31										
	62.43	61.82	62.47	62.24	21.81	15.56	18.91	19.93	18.21	19.01

Barometer, range for month 767.3 mm. — 758.1 mm.
„ 71-yr. average for month 762.63 mm.
Thermometer, range for month 26.6°C — 11.3°C
„ 71-yr. average for month 19.85°C
Rain total for month 271.78 mm.
„ 71-yrs average for month 132.61 mm.
„ Total, Sept. 1st. to end of month 375.40 mm.
„ 71-yrs. average. Sept. 1st. to end of month 188.82mm.

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METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	14.1	13.6	13.6	13.8	61	48	59	56			
2	17.6	18.0	15.0	16.9	77	66	70	71			
3	14.7	16.1	15.6	15.5	62	63	69	65			
4	17.2	17.1	15.2	16.5	67	60	65	64			
5	17.8	19.1	14.8	17.2	69	98	74	80			81.03
6	16.9	19.2	15.8	17.3	72	93	81	82			
7	16.1	15.0	12.5	14.5	90	88	76	85			115.57
8	12.8	12.3	12.8	12.6	64	59	66	63			
9	10.7	12.5	11.8	11.7	56	52	59	56			
10	11.8	13.1	8.8	11.2	58	53	64	52			
11	10.8	12.0	12.3	11.7	53	51	67	57			
12	14.6	14.8	15.4	14.9	64	62	75	67			
13	17.2	16.0	18.0	17.1	79	62	86	76			
14	18.3	14.3	17.3	16.6	84	56	76	72			
15	19.6	18.9	19.7	19.4	86	74	84	81			
16	12.3	20.3	15.7	16.1	39	67	50	52			
17	22.4	19.6	22.2	21.4	80	76	95	84			0.50
18	17.4	18.3	16.4	17.4	75	73	81	76			5.59
19	13.3	16.8	19.9	16.7	64	74	96	78			4.32
20	14.9	17.7	17.0	16.5	70	72	82	75			
21	12.8	23.1	15.5	17.1	62	92	74	76			
22	14.9	15.0	15.0	15.0	70	69	69	69			
23	14.6	16.0	16.4	15.7	64	63	81	69			
24	15.0	23.8	17.1	18.6	69	95	81	82			
25	15.6	17.0	14.9	15.8	70	71	71	71			
26	15.3	8.7	14.9	13.0	99	52	95	82			39.88
27	12.2	16.1	14.7	14.3	62	74	78	71			1.27
28	14.4	14.7	14.2	14.4	68	64	76	69			
29	11.6	18.3	15.0	15.0	61	98	85	81			19.56
30	13.7	12.3	13.5	13.2	68	59	77	68			4.06
31											
	15.02	16.33	15.36	15.57	68.7	69.5	74.8	71.0			9.06

Height of Barometer above sea level : 33.7 meters.
„ „ Thermometers above ground :
Dry and wet 1.55 m ; Max. 1.75 m. ; Min. 1.70 m.
Rim of Rain Gauge : above ground 0.56 m. ; above sea level 30.31 m.
Time of reading minus 2 hours equal G.C.T
71 year averages are for period, 1875-1945

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METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	0	3cu	2cu	1.7	1sw	2ne	1sw	light	
2	5cu	7cu-ci	0	4.0	1sw	1ne	1ne	„	
3	1ci	2ci	0	1.0	1sw	1ne	1ne	„	
4	8cu	4cu	0	4.0	1sw	1sw	1sw	calm	
5	5cu	7cu	5cu	5.7	3sw	2sw	2sw	light	
6	5cu	5cu	8cu-ni	6.0	1sw	2sw	1sw	light	
7	10cu	9cu	8cu	9.0	3sw	2sw	1sw	slight	
8	9cu	4cu	0	4.3	3sw	2sw	2sw	„	
9	2cu	0	0	0.7	1s	2s	2sw	light	
10	9cu	4cu	0	4.3	2s	1s	1sw	„	
11	0	0	0	0.0	1sw	2s	1sw	light	
12	0	1ci	0	0.3	1sw	1ne	1sw	„	
13	0	0	1	0.3	1s	1ne	1sw	calm	
14	0	2cu	0	0.7	1s	1ne	1sw	„	
15	2cu	2cu	0	1.3	1s	2ne	1sw	light	
16	3cu	8cu	3cu	4.7	3sw	1s	2s	light	
17	5cu	10cu-ci	5cu	6.7	1sw	2s	1sw	„	
18	7cu	7cu	10cu-c	8.0	2nw	2s	1s	slight	
19	2ci	0	0	0.7	2sw	2ne	1s	light	
20	1ci	2ci	3cu	2.0	1sw	1ne	1sw	„	
21	9st-ci	8st-ci	8st-cu	8.3	1sw	2s	2s	light	
22	5ci	9ci	9ci	7.7	1s	2s	2s	„	
23	5ci	8ci	0	4.3	1s	1s	1s	calm	
24	0	4cu	0	1.3	1s	1s	1sw	„	
25	0	7cu	9ni	5.3	1s	1w	1sw	light	T., p.m.
26	10ni	10ni	1cu	7.0	1s	1sw	1sw	light	T., a m.
27	1cu	8cu	2cu-ci	3.7	1s	1s	1sw	„	
28	10cu	10cu	0	6.7	2sw	2sw	1sw	„	
29	0	10ni	9cu-ni	6.3	3sw	3sw	4sw	slight	
30	6cu	9cu	10cu	8.3	3sw	2sw	2sw	mod.	
31									
	Mean			4.10					

Abbreviations : G = gale; H = haze; M = mist ; T = thunderstorm ; D = dew.
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	0	0	0	0	10	19	0	1	0	30
14:30	0	9	0	0	11	9	1	0	0	30
20:30	0	2	0	0	6	22	0	0	0	30
Total	0	11	0	0	27	50	1	1	0	90

Number of days with rain 9, fog 0, thunderstorms 2, gale 0.
71 yr. av. number of days with rain during month 9.4